

In re Application of:

Christopher T. Grabowski

Attorney Docket No: MVS-1

Serial No.: 10/593,138

:Art Unit:

Filed: 09/18/2006

:Examiner:

Title: EN-ROUTE NAVIGATION DISPLAY METHOD AND APPARATUS

USING HEAD-UP DISPLAY

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 CFR 1.97, the enclosed Information Disclosure Statement, with attached reference(s), is submitted for consideration in the above-identified application.

Copies

Copies of all the non-US-patent references are enclosed.

Translations

Included herewith are translations of the cited JP patents Applicants do not have a translation of the cited DE patent.

Relevance

Pursuant to 37 C.F.R. 1.98(a)(3)(i), the following is a statement of the relevance of each of the non-English-language references cited herein:

JP05022753: Okimura et al patent JP05022753 describes a stereoscopic picture display unit which is provided with a shape changing screen (or "configuration adjustable screen") whose shape varies in conformity with given three-dimensional shape data. One embodiment of applicants' system has a projection screen (shown on Fig 42A and Fig 42B) which has linear actuators arranged for shifting, tilting and reshaping the screen surface in real-time, to correspond to the topography of the terrain over which the virtual cable is being displayed.

JP08175226: Ashihara patent JP08175226 describes a display device for vehicle where the display data is composed of only the outlines, and its semitransparent screen can be seen in the condition superposing the display data and the scene in front of the vehicle. This teaches the advantages of reducing the complexity and a scene obscuration potential of the presented image.

JP09229707: Shinozuka patent JP09229707 describes displaying a display image of a guide route above a road actually seen, with the use of a windshield, where the image is in a form of a flat map which correlates with a mirror-image of the ground ahead. In applicants' illustrative embodiments the image is a 3-dimentional line (not a map) and it is conforming to the ground, e.g. it goes up and down when the ground is not flat.

DE10344684: Breinich et al. patent DE10344684 describes head-up display, in particular for the application in motor vehicles, which employs laser scanning using moveable mirror, a diffuser, an optical cube combiner for combining two laser beams, and technique of image distortion pre-correction. Various embodiments of applicants' disclosed display device include some combinations of the devices mentioned.

Respectfully,

Christopher T. Grabowski

Konald D. Slusky, Attorney

Reg. No. 26585

Phone 212-246-4546

Office of Ronald D. Slusky Registered Patent Attorney 353 West 56th Street—Suite 5L New York, New York 10019-3775

Date: 11/27/06

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Application Number 10/593,138

Fig Date 09/18/2006

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U.S. PATENT DOCUMENTS											
Exami ner Initials	Cite No.1	U.S. Patent Docur	Kind Code ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figure Appears					
		3,887,273		Griffiths	06-03-1975						
		4,207,430		Harada, et al.	06-10-1980						
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449A/PTO

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Application Number	10/593,138						
Filing Date	09/18/2006						
First Named Inventor	Christopher T. Grabowski						
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exami ner Cite Initials No.1		U.S. Patent Document Kind Number Code² (if known)		Name of Patentee or Applicant of Cited Document		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figure Appears	
		5,23	1,538		Anderson		07-27-1993	
		5,25	1,056		Lee		10-05-1993	
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		5,51	9,410		Smalanskas, e	t al.	05-21-1996	
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		6,04	3,937		Hudson, et al.		03-28-2000	
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			JP 05-022753		Okimura et al		1993-01-29		
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			DE 103 44 684 A1		Breinich et al		2005-05-25		
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Examiner Signature						Date Considered	•		

*EXAMINER: Initial if referenced considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Unique citation designation number. 'See attached Kinds of U.S. Patent Documents 'Enter Office that issued the document, by the two letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	10/593,138				
INFORMATION				Filing Date	09/18/2006				
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